

Serial No. 10/629,185
Docket No. NEC 219824
Amendment D Under Rule 116

AMENDMENTS TO THE CLAIMS:

Kindly amend claims 1, 10 and 11, as shown below.

This listing of claims will replace all prior versions and listings of claims in the Application:

Claim 1 (currently amended): A method for manufacturing a liquid crystal display panel, the method comprising:

attaching a first substrate to a second substrate with a seal member and an auxiliary member to form said panel, said seal member forming an internal space and having an injection inlet for liquid crystal injection, said auxiliary member being arrayed around said seal member, wherein said seal member is formed with an air outlet forming member connected to said injection inlet, said air outlet forming member being extended toward a peripheral end of the panel, and said air outlet forming member is formed therein with an air outlet auxiliary member for forming an air outlet;

forming a cut line between said seal member and said auxiliary member;

cutting said panel along said cut line to traverse said air outlet forming member; and

injecting liquid crystal through said injection inlet

wherein said seal member, said auxiliary member and said air outlet are formed such that ~~an unobstructed straight line~~ all air outlet ~~[[path]]~~ paths between said injection inlet and a peripheral of said liquid crystal display panel ~~is created~~ are unobstructed and straight.

Claim 2 (original): The method as defined in claim 1, wherein said air outlet auxiliary member is positioned between the cut line and the peripheral end of the panel in order not to be cut when the panel is cut off.

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Claim 3 (previously presented): The method as defined in claim 1, wherein said air outlet forming member is aligned parallel to said air outlet auxiliary member in order to maintain constant a gap therebetween.

Claim 4 (previously presented): The method as defined in claim 1, wherein said air outlet auxiliary member and said air outlet forming member extend toward a peripheral end of said panel.

Claim 5 (original): The method as defined in claim 1, wherein said auxiliary member, said air outlet auxiliary member and said air outlet forming member formed at an external domain of the cut line, are all continuously formed as dashed lines.

Claim 6 (original): The method as defined in claim 1, wherein said seal member, said auxiliary member, said air outlet auxiliary member and said air outlet forming member are all simultaneously formed and made of the same material.

Claim 7 (previously presented): The method as defined in claim 3, wherein the gap between said air outlet auxiliary member and said air outlet forming member is 2 mm or more but not more than 7 mm.

Claim 8 (previously presented): The method as defined in claim 3, wherein the gap between said peripheral end of said panel and the distal ends of both said air outlet auxiliary member and said air outlet forming member is not more than 3 mm.

Claim 9 (original): The method as defined in claim 1, wherein there contains a plurality of said injection inlets and said air outlets.

Claim 10 (currently amended): A liquid crystal display panel manufactured by the method comprising:

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attaching a first substrate to a second substrate with a seal member and an auxiliary member to form said panel, said seal member forming an internal space and having an injection inlet for liquid crystal injection, said auxiliary member being arrayed around said seal member, wherein said seal member is formed with an air outlet forming member connected to said injection inlet, said air outlet forming member being extended toward a peripheral end of the panel, and said air outlet forming member is formed therein with an air outlet auxiliary member for forming an air outlet;

forming a cut line between said seal member and said auxiliary member;

cutting said panel along said cut line to traverse said air outlet forming member; and

injecting liquid crystal through said injection inlet

wherein said seal member, said auxiliary member and said air outlet are formed such that ~~an unobstructed straight line~~ all air outlet ~~[[path]]~~ paths between said injection inlet and a peripheral of said liquid crystal display panel ~~is created~~ are unobstructed and straight.

Claim 11 (currently amended): A method for manufacturing a liquid crystal display panel, the method comprising:

preparing a first substrate and a second substrate;

forming a seal member, an auxiliary member, and air outlet forming members on one of said substrates, wherein said seal member forms an internal space and has an injection inlet for liquid crystal injection, said auxiliary member is arrayed around said seal member, said air outlet forming members are formed with said auxiliary member and said air outlet forming members are connected to said injection inlet and extended toward a peripheral end of said panel;

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attaching said first substrate to said second substrate with said seal member and said auxiliary member to form said panel;

positioning a cut line between said seal member and said auxiliary member;

cutting said panel along said cut line; and

injecting liquid crystal through said injection inlet

wherein said seal member, said auxiliary member and said air outlet are formed such that ~~an unobstructed straight line~~ all air outlet ~~[[path]]~~ paths between said injection inlet and a peripheral of said liquid crystal display panel ~~is created~~ are unobstructed and straight.

Claim 12 (previously presented): The method as defined in claim 11, wherein air outlet auxiliary members are further formed on one of said substrates within said air outlet forming members.

Claim 13 (previously presented): A method for manufacturing a liquid crystal display panel, the method comprising:

attaching a first substrate to a second substrate with a seal member and an auxiliary member to form said panel, said seal member forming an internal space and having an injection inlet for liquid crystal injection, said auxiliary member being arrayed around said seal member, wherein said seal member is formed with an air outlet forming member connected to said injection inlet, said air outlet forming member being extended toward a peripheral end of the panel, and said air outlet forming member is formed therein with an air outlet auxiliary member for forming an air outlet;

forming a cut line between said seal member and said auxiliary member;

cutting said panel along said cut line to traverse said air outlet forming member; and

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injecting liquid crystal through said injection inlet,

wherein said air outlet auxiliary member is positioned between the cut line and the peripheral end of the panel in order not to be cut when the panel is cut off.

Claim 14 (previously presented): The method as defined in claim 13, wherein said air outlet forming member is aligned parallel to said air outlet auxiliary member in order to maintain constant a gap therebetween.

Claim 15 (previously presented): The method as defined in claim 13, wherein said air outlet auxiliary member and said air outlet forming member extend toward a peripheral end of said panel.

Claim 16 (previously presented): The method as defined in claim 13, wherein said seal member, said auxiliary member, said air outlet auxiliary member and said air outlet forming member are all simultaneously formed and made of the same material.

Claim 17 (previously presented): The method as defined in claim 13, wherein there contains a plurality of said injection inlets and said air outlets.

Claim 18 (previously presented): A method for manufacturing a liquid crystal display panel, the method comprising:

attaching a first substrate to a second substrate with a seal member and an auxiliary member to form said panel, said seal member forming an internal space and having an injection inlet for liquid crystal injection, said auxiliary member being arrayed around said seal member, wherein said seal member is formed with an air outlet forming member connected to said injection inlet, said air outlet forming member being extended toward a peripheral end of the panel, and said air outlet forming member is formed therein with an air outlet auxiliary member

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for forming an air outlet;

forming a cut line between said seal member and said auxiliary member;

cutting said panel along said cut line to traverse said air outlet forming member; and

injecting liquid crystal through said injection inlet,

wherein said auxiliary member, said air outlet auxiliary member and said air outlet forming member formed at an external domain of the cut line, are all continuously formed as dashed lines.

Claim 19 (previously presented): The method as defined in claim 18, wherein said air outlet forming member is aligned parallel to said air outlet auxiliary member in order to maintain constant a gap therebetween.

Claim 20 (previously presented): The method as defined in claim 18, wherein said air outlet auxiliary member and said air outlet forming member extend toward a peripheral end of said panel.

Claim 21 (previously presented): The method as defined in claim 18, wherein said seal member, said auxiliary member, said air outlet auxiliary member and said air outlet forming member are all simultaneously formed and made of the same material.

Claim 22 (previously presented): The method as defined in claim 18, wherein there contains a plurality of said injection inlets and said air outlets.

Claim 23 (previously presented): A method for manufacturing a liquid crystal display panel, the method comprising:

attaching a first substrate to a second substrate with a seal member and an auxiliary member to form said panel, said seal member forming an internal space and having an injection

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inlet for liquid crystal injection, said auxiliary member being arrayed around said seal member, wherein said seal member is formed with an air outlet forming member connected to said injection inlet, said air outlet forming member being extended toward a peripheral end of the panel, and said air outlet forming member is formed therein with an air outlet auxiliary member for forming an air outlet;

forming a cut line between said seal member and said auxiliary member;

cutting said panel along said cut line to traverse said air outlet forming member; and

injecting liquid crystal through said injection inlet,

wherein said air outlet forming member is aligned parallel to said air outlet auxiliary member in order to maintain constant a gap therebetween, and

the gap between said air outlet auxiliary member and said air outlet forming member is 2 mm or more but not more than 7 mm.

Claim 24 (previously presented): A method for manufacturing a liquid crystal display panel, the method comprising:

attaching a first substrate to a second substrate with a seal member and an auxiliary member to form said panel, said seal member forming an internal space and having an injection inlet for liquid crystal injection, said auxiliary member being arrayed around said seal member, wherein said seal member is formed with an air outlet forming member connected to said injection inlet, said air outlet forming member being extended toward a peripheral end of the panel, and said air outlet forming member is formed therein with an air outlet auxiliary member for forming an air outlet;

forming a cut line between said seal member and said auxiliary member;

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cutting said panel along said cut line to traverse said air outlet forming member; and
injecting liquid crystal through said injection inlet,
wherein said air outlet forming member is aligned parallel to said air outlet auxiliary
member in order to maintain constant a gap therebetween, and
the gap between said peripheral end of said panel and the distal ends of both said air
outlet auxiliary member and said air outlet forming member is not more than 3 mm.

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